

SEQUENCE LISTING

<110> Yutaka KANDA
Mitsuo SATOH
Kazuyasu NAKAMURA
Kazuhisa UCHIDA
Toyohide SHINKAWA
Naoko YAMANE
Motoo YAMASAKI
Nobuo HANAI

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attnaaggta ccgaaggcatt tgcggtgcac gatggagggg	40	
<210> 11		
<211> 23		
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<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequense: Synthetic DNA		
<400> 11		
ctccaattat gaatttatttata gtg	23	
<210> 12		
<211> 25		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequense: Synthetic DNA		
<400> 12		
ggatgtttga agccaaggctt cttgg	25	
<210> 13		
<211> 24		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequense: Synthetic DNA		
<400> 13		
gtccatggtg atcctgcagt gtgg	24	
<210> 14		
<211> 23		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequense: Synthetic DNA		
<400> 14		
caccaatgtat atctccagggt tcc	23	
<210> 15		
<211> 24		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequense: Synthetic DNA		

<400> 15
gatatcgctg cgctcggtgt cgac 24

<210> 16
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 16
caggaaggaa ggctggaaaa gagc 24

<210> 17
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 17
gatatcgctg cgctcggtgt cgac 24

<210> 18
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 18
caggaaggaa ggctggaaaga gagc 24

<210> 19
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 19
atgcgggcat ggactggttc ctgg 24

<210> 20
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 20
ctattttca gcttcaggat atgtggg 27

<210> 21
<211> 24
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequense: Synthetic DNA

<400> 21

gtctgaagca ttatgtgtt aagc

24

<210> 22

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequense: Synthetic DNA

<400> 22

gtgagtgatcat tcattgtact gtg

23

<210> 23

<211> 575

<212> PRT

<213> Cricetulus griseus

<400> 23

Met Arg Ala Trp Thr Gly Ser Trp Arg Trp Ile Met Leu Ile Leu Phe
1 5 10 15

Ala Trp Gly Thr Leu Leu Phe Tyr Ile Gly Gly His Leu Val Arg Asp
20 25 30

Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
35 40 45

Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
50 55 60

Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Thr Ala Thr
65 70 75 80

Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln
85 90 95

Ile Glu Asn Tyr Lys Gln Ala Arg Asn Asp Leu Gly Lys Asp His
100 105 110

Glu Ile Leu Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe
115 120 125

Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys Lys Leu Glu Gly Asn Glu
130 135 140

Leu Gln Arg His Ala Asp Glu Ile Leu Leu Asp Leu Gly His His Glu
145 150 155 160

Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
165 170 175

Gly Glu Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln
180 185 190

Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Arg
195 200 205

Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu
210 215 220

His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr
225 230 235 240

Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu
245 250 255

Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Leu
260 265 270

Ser Thr Gly His Trp Ser Gly Glu Val Lys Asp Lys Asn Val Gln Val
275 280 285

Val Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg Pro Pro Tyr Leu
290 295 300

Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Leu Arg Val His
305 310 315 320

Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile
325 330 335

Arg Pro Gln Pro Trp Leu Glu Arg Glu Ile Glu Glu Thr Thr Lys Lys
340 345 350

Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp
355 360 365

Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val
370 375 380

His Val Glu Glu His Phe Gln Leu Leu Glu Arg Arg Met Lys Val Asp
385 390 395 400

Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Ser Leu Leu Lys Glu
405 410 415

Ala Lys Thr Lys Tyr Ser Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile
420 425 430

Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg
435 440 445

Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val
450 455 460

Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln
465 470 475 480

Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile
485 490 495

Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Val Tyr Pro
500 505 510

His Gln Pro Arg Thr Lys Glu Glu Ile Pro Met Glu Pro Gly Asp Ile
515 520 525

Ile Gly Val Ala Gly Asn His Trp Asn Gly Tyr Ser Lys Gly Val Asn
530 535 540

Arg Lys Leu Gly Lys Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu
545 550 555 560

Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys
565 570 575

<210> 24
<211> 575
<212> PRT
<213> Mus musculus

<400> 24
Met Arg Ala Trp Thr Gly Ser Trp Arg Trp Ile Met Leu Ile Leu Phe
1 5 10 15
Ala Trp Gly Thr Leu Leu Phe Tyr Ile Gly Gly His Leu Val Arg Asp
20 25 30
Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
35 40 45
Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
50 55 60
Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Thr Ala Thr
65 70 75 80
Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln
85 90 95
Ile Glu Asn Tyr Lys Lys Gln Ala Arg Asn Gly Leu Gly Lys Asp His
100 105 110
Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe
115 120 125
Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys His Leu Glu Gly Asn Glu
130 135 140
Leu Gln Arg His Ala Asp Glu Ile Leu Leu Asp Leu Gly His His Glu
145 150 155 160
Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
165 170 175
Gly Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln
180 185 190
Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Arg
195 200 205
Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu
210 215 220
His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr
225 230 235 240
Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu
245 250 255
Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Leu
260 265 270
Ser Thr Gly His Trp Ser Gly Glu Val Asn Asp Lys Asn Ile Gln Val
275 280 285
Val Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg Pro Pro Tyr Leu
290 295 300
Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Leu Arg Val His
305 310 315 320
Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile
325 330 335

Arg Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu Ala Thr Lys Lys
 340 345 350

Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp
 355 360 365

Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val
 370 375 380

His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp
 385 390 395 400

Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Thr Leu Leu Lys Glu
 405 410 415

Ala Lys Thr Lys Tyr Ser Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile
 420 425 430

Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg
 435 440 445

Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val
 450 455 460

Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln
 465 470 475 480

Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile
 485 490 495

Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Val Tyr Pro
 500 505 510

His Lys Pro Arg Thr Glu Glu Ile Pro Met Glu Pro Gly Asp Ile
 515 520 525

Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Ile Asn
 530 535 540

Arg Lys Leu Gly Lys Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu
 545 550 555 560

Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys
 565 570 575

<210> 25

<211> 18

<212> PRT

<213> Homo sapiens

<400> 25

Asp Glu Ser Ile Tyr Ser Asn Tyr Tyr Leu Tyr Glu Ser Ile Pro Lys
 1 5 10 15

Pro Cys

<210> 26

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 26

cttgtgtgac tcttaactct cagag

25

<210> 27
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequense: Synthetic DNA

<400> 27
ccctcgagat aacttcgtat agc

23

<210> 28
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequense: Synthetic DNA

<400> 28
ggtaggcctc actaactg

18

<210> 29
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequense: Synthetic DNA

<400> 29
catagaaaaca agtaacaaca gccag

25

<210> 30
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequense: Synthetic DNA

<400> 30
gagacttcag cccacttcaa ttattggc

28

<210> 31
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequense: Synthetic DNA

<400> 31
gaggccactt gtgttagcgcc aagtg

25

<210> 32
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 32
aggaaagggtgg cgctcatcac gggc

24

<210> 33
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 33
taaggccaca agtcttaatt gcatcc

26

<210> 34
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 34
cagggggttt cccttgggaa ggtggaa

27

<210> 35
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 35
cccttcacgc atgaaggctg gag

23

<210> 36
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 36
ggcaggagac caccttgcga gtgcccac

28

<210> 37
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 37
ggcgctggct taccggaga ggaatggg

28

<210> 38

<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 38
aaaaggcctc agtttagtcaa ctgtatgg 28

<210> 39
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 39
cgcggtatctt caagcggtgg ggttggtcc 29

<210> 40
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 40
cccaagcttg ccaccatggc tcacgctccc gctagctgcc cgagc 45

<210> 41
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 41
ccggaattctt gccaaggatgtt agccatcctg g 31

<210> 42
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 42
gccatccaga aggtgg 17

<210> 43
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 43

gtcttgcag ggaagat

17

<210> 44
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 44
ggcaggagac caccttgcga gtgcccac

28

<210> 45
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 45
gggtgggctg tactttctgg aacaggc

28

<210> 46
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 46
ggcgctggct taccggaga ggaatggg

28

<210> 47
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 47
gaaatgggtg tttgtctcctc caaagatgc

28

<210> 48
<211> 1316
<212> DNA
<213> Cricetulus griseus

<400> 48
gccccggccc ctccacactgg accgagagta gctggagaat tgtgcacccgg aagtagctct 60
tggactggtg gaaccctgcg caggtgcagc aacaatgggt gagccccagg gatccaggag 120
gatcctagtg acagggggct ctggactggc gggcagagct atccagaagg tggtcgcaga 180
tggcgctggc ttacccggag aggaatgggt gtttgcctcc tccaaagatg cagatctgac 240
ggatgcagca caaaccctaaag ccctgttcca gaaggtacag cccacccatg tcatccatct 300
tgctgcaatg gtaggaggcc ttttccggaa tatcaaatac aacttggatt tctggaggaa 360

gaatgtgcac atcaatgaca acgtcctgca ctcagcttc gaggtggca ctcgcaaggt 420
ggtctcctgc ctgtccacct gtatctccc tgacaagacc acctatccta ttgatgaaac 480
aatgateccac aatggtccac cccacacgag caatttggg tactcgatg ccaagaggat 540
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ccctaccaat gtctttggac ctcatgacaa cttcaacatt gaagatggcc atgtgctgcc 660
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tacagggaaa ccacggaggc agttcatcta ctcactggac ctgcgcgc tcttcattgt 780
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atccagtagg gcccattttt gtccatcctc gggggaaaggc cagaccaaca cctgtttgt 1260
ctgcttctgc cccaacctca gtgcattccat gctggccttgc ctgtcccttgc tctaga 1316

<210> 49
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 49
gatcctgctg ggacccaaaat tgg 23

<210> 50
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 50
cttaacatcc caagggatgc tg 22

<210> 51
<211> 1965
<212> DNA
<213> Cricetulus griseus

<400> 51
acggggggct cccggaagcg gggaccatgg cgtctctgct cgaagcgagc ctgcggaaagc 60
tgcggcgctt ttccgagatg agaggcaaac ctgtggcaac tggaaattc tggatgttag 120

ttgtataataac agcagactgac gaaaagcagg agcttgctta caagcaacag ttgtcgaga 180
agctgaagag aaaggaatttgc cccctggag ttaactacca tgttttact gatcctcctg 240
gaacccaaat tggaaatgga ggatcaacac tttgttctct tcagtgcctg gaaaggctct 300
atggagacaa gtggaaattcc ttcacagtc tgtaattca ctctggtggc tacagtcaac 360
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tttatcagat gttggactt aaactagcca tgcacatgg tttccctca cgcacatggc 480
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gcaccacaca tggagtattt gtattggact ctgcccgtt tttcaacat ggtgacctag 660
agtacaggca atgccacccgt ttcctccata agcccagcat tgaaaacatg caccactta 720
atgcgtgca tagacttagga agctttggc aacaggactt gagtgggggt gacaccacct 780
gtcatccatt gcactctgag tatgtctaca cagatagccctt atttacatg gatcataaat 840
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gcctgtggac tgctcgaatt ttccctgtct gttttctctt gaggatgtcg gttgcagcat 1620
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tacaatggat ttgcctggaa aacaggatttgc caaatgcagg catattttat agatctgtt 1860
gttcttctttt ctttctccccc tctctccctt ctttccctt tgatgtatg acaaaggtaa 1920
aaatggccac ttctgtatggaa aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa 1965

<210> 52
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 52
caggggtgtt cccttgagga ggtggaa 27

<210> 53
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 53
cactgagcca ggggccacac agcatcc 27

<210> 54
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 54
ccctcacgc atgaaggctg gag 23

<210> 55
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 55
tgccaccgtt tcctccataa gcccagc 27

<210> 56
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 56
atggctcaag ctcccgctaa gtgcccg 28

<210> 57
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
<400> 57
tcaagcggtt gggttggtcc tcgttgc 27

<210> 58

<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 58
tccggggatg gcgagatggg caaggc 25

<210> 59
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 59
cttgacatgg ctctgggatc caaggc 24

<210> 60
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 60
ccacttcagt cggtcggtag tattt 25

<210> 61
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 61
cgctcacccg cctgaggcga catgc 24

<210> 62
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 62
ggcagggtgct gtcggtgagg tcaccatagt gc 32

<210> 63
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 63

ggggccatgc caaggactat gtcg

24

<210> 64

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic DNA

<400> 64

atgtggctga tgttacaaaa tgatg

25

<210> 65

<211> 1504

<212> DNA

<213> Cricetulus griseus

<220>

<221> CDS

<222> (1).. (1119)

<400> 65

atg gct cac gct ccc gct agc tgc ccg agc tcc agg aac tct ggg gac
Met Ala His Ala Pro Ala Ser Cys Pro Ser Ser Arg Asn Ser Gly Asp
1 5 10 15

48

ggc gat aag ggc aag ccc agg aag gtg gcg ctc atc acg ggc atc acc
Gly Asp Lys Gly Lys Pro Arg Lys Val Ala Leu Ile Thr Gly Ile Thr
20 25 30

96

ggc cag gat ggc tca tac ttg gca gaa ttc ctg ctg gag aaa gga tac
Gly Gln Asp Gly Ser Tyr Leu Ala Glu Phe Leu Leu Glu Lys Gly Tyr
35 40 45

144

gag gtt cat gga att gta cgg cga tcc agt tca ttt aat aca ggt cga
Glu Val His Gly Ile Val Arg Arg Ser Ser Ser Phe Asn Thr Gly Arg
50 55 60

192

att gaa cat tta tat aag aat cca cag gct cat att gaa gga aac atg
Ile Glu His Leu Tyr Lys Asn Pro Gln Ala His Ile Glu Gly Asn Met
65 70 75 80

240

aag ttg cac tat ggt gac ctc acc gac agc acc tgc cta gta aaa atc
Lys Leu His Tyr Gly Asp Leu Thr Asp Ser Thr Cys Leu Val Lys Ile
85 90 95 100

288

atc aat gaa gtc aaa cct aca gag atc tac aat ctt ggt gcc cag agc
Ile Asn Glu Val Lys Pro Thr Glu Ile Tyr Asn Leu Gly Ala Gln Ser
105 110 115

336

cat gtc aag att tcc ttt gac tta gca gag tac act gca gat gtt gat
His Val Lys Ile Ser Phe Asp Leu Ala Glu Tyr Thr Ala Asp Val Asp
120 125 130

384

gga gtt ggc acc ttg cgg ctt ctg gat gca att aag act tgt ggc ctt
Gly Val Gly Thr Leu Arg Leu Leu Asp Ala Ile Lys Thr Cys Gly Leu
135 140 145

432

ata aat tct gtg aag ttc tac cag gcc tca act agt gaa ctg tat gga
Ile Asn Ser Val Lys Phe Tyr Gln Ala Ser Thr Ser Glu Leu Tyr Gly
150 155 160

480

aaa gtg caa gaa ata ccc cag aaa gag acc acc cct ttc tat cca agg
Lys Val Gln Glu Ile Pro Gln Lys Glu Thr Thr Pro Phe Tyr Pro Arg
165 170 175 180

528

tcg ccc tat gga gca gcc aaa ctt tat gcc tat tgg att gta gtg aac	576
Ser Pro Tyr Gly Ala Ala Lys Leu Tyr Ala Tyr Trp Ile Val Val Asn	
185 190 195	
ttt cga gag gct tat aat ctc ttt gcg gtg aac ggc att ctc ttc aat	624
Phe Arg Glu Ala Tyr Asn Leu Phe Ala Val Asn Gly Ile Leu Phe Asn	
200 205 210	
cat gag agt cct aga aga gga gct aat ttt gtt act cga aaa att agc	672
His Glu Ser Pro Arg Arg Gly Ala Asn Phe Val Thr Arg Lys Ile Ser	
215 220 225	
cgg tca gta gct aag att tac ctt gga caa ctg gaa tgt ttc agt ttg	720
Arg Ser Val Ala Lys Ile Tyr Leu Gly Gln Leu Glu Cys Phe Ser Leu	
230 235 240	
gga aat ctg gac gcc aaa cga gac tgg ggc cat gcc aag gac tat gtc	768
Gly Asn Leu Asp Ala Lys Arg Asp Trp Gly His Ala Lys Asp Tyr Val	
245 250 255 260	
gag gct atg tgg ctg atg tta caa aat gat gaa cca gag gac ttt gtc	816
Glu Ala Met Trp Leu Met Leu Gln Asn Asp Glu Pro Glu Asp Phe Val	
265 270 275	
ata gct act ggg gaa gtt cat agt gtc cgt gaa ttt gtt gag aaa tca	864
Ile Ala Thr Gly Glu Val His Ser Val Arg Glu Phe Val Glu Lys Ser	
280 285 290	
ttc atg cac att gga aag acc att gtg tgg gaa gga aag aat gaa aat	912
Phe Met His Ile Gly Lys Thr Ile Val Trp Glu Gly Lys Asn Glu Asn	
295 300 305	
gaa gtg ggc aga tgt aaa gag acc ggc aaa att cat gtg act gtg gat	960
Glu Val Gly Arg Cys Lys Glu Thr Gly Lys Ile His Val Thr Val Asp	
310 315 320	
ctg aaa tac tac cga cca act gaa gtg gac ttc ctg cag gga gac tgc	1008
Leu Lys Tyr Tyr Arg Pro Thr Glu Val Asp Phe Leu Gln Gly Asp Cys	
325 330 335 340	
tcc aag gcg cag cag aaa ctg aac tgg aag ccc cgc gtt gcc ttt gac	1056
Ser Lys Ala Gln Gln Lys Leu Asn Trp Lys Pro Arg Val Ala Phe Asp	
345 350 355	
gag ctg gtg agg gag atg gtg caa gcc gat gtg gag ctc atg aga acc	1104
Glu Leu Val Arg Glu Met Val Gln Ala Asp Val Glu Leu Met Arg Thr	
360 365 370	
aac ccc aac gcc tga gcacccctac aaaaaaaattc gcgagacatg gactatggc	1159
Asn Pro Asn Ala	
375	
cagagccagc caaccagagt ccagccactc ctgagaccat cgaccataaa ccctcgactg	1219
cctgtgtcgt ccccacagct aagagctggg ccacagggtt gtgggcacca ggacggggac	1279
actccagagc taaggccact tcgcctttgt caaaggctcc tctcaatgt tttggaaat	1339
caagaagttt aaaatcacat actcattta ctggaaatta tgtcaactaga caactaaat	1399
ttttagtct tgagattgtt ttctctttt ctattaaat gatcttcta tgacccagca	1459
aaaaaaaaaaaa aaaaaaggga tataaaaaaaa aaaaaaaaaa aaaaaa	1504

<210> 66
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA

<400> 66
atgaagttgc actatggtga cctca 25

<210> 67
<211> 59
<212> DNA
<213> Cricetulus griseus

<400> 67
ccgacagcac ctgcctagta aaaatcatca atgaagtcaa acctacagag atctacaat 59

<210> 68
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 68
gacttagcag agtacactgc agatg 25

<210> 69
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 69
accttggata gaaaggggtg gtctc 25

<210> 70
<211> 125
<212> DNA
<213> Cricetulus griseus

<400> 70
ttgatggagt tggcaccttg cggcttctgg atgcaattaa gacttggtgc cttataaatt 60
ctgtgaagg ttaccaggcc tcaacttagtg aactgtatgg aaaagtgc aaataaccc 120
agaaa 125

<210> 71
<211> 376
<212> PRT
<213> Cricetulus griseus

<400> 71
Met Ala His Ala Pro Ala Ser Cys Pro Ser Ser Arg Asn Ser Gly Asp
1 5 10 15

Gly Asp Lys Gly Lys Pro Arg Lys Val Ala Leu Ile Thr Gly Ile Thr
20 25 30

Gly Gln Asp Gly Ser Tyr Leu Ala Glu Phe Leu Leu Glu Lys Gly Tyr
35 40 45

Glu Val His Gly Ile Val Arg Arg Ser Ser Ser Phe Asn Thr Gly Arg
50 55 60

Ile Glu His Leu Tyr Lys Asn Pro Gln Ala His Ile Glu Gly Asn Met

65

70

75

80

Lys Leu His Tyr Gly Asp Leu Thr Asp Ser Thr Cys Leu Val Lys Ile
 85 90 95 100

Ile Asn Glu Val Lys Pro Thr Glu Ile Tyr Asn Leu Gly Ala Gln Ser
 105 110 115

His Val Lys Ile Ser Phe Asp Leu Ala Glu Tyr Thr Ala Asp Val Asp
 120 125 130

Gly Val Gly Thr Leu Arg Leu Leu Asp Ala Ile Lys Thr Cys Gly Leu
 135 140 145

Ile Asn Ser Val Lys Phe Tyr Gln Ala Ser Thr Ser Glu Leu Tyr Gly
 150 155 160

Lys Val Gln Glu Ile Pro Gln Lys Glu Thr Thr Pro Phe Tyr Pro Arg
 165 170 175 180

Ser Pro Tyr Gly Ala Ala Lys Leu Tyr Ala Tyr Trp Ile Val Val Asn
 185 190 195

Phe Arg Glu Ala Tyr Asn Leu Phe Ala Val Asn Gly Ile Leu Phe Asn
 200 205 210

His Glu Ser Pro Arg Arg Gly Ala Asn Phe Val Thr Arg Lys Ile Ser
 215 220 225

Arg Ser Val Ala Lys Ile Tyr Leu Gly Gln Leu Glu Cys Phe Ser Leu
 230 235 240

Gly Asn Leu Asp Ala Lys Arg Asp Trp Gly His Ala Lys Asp Tyr Val
 245 250 255 260

Glu Ala Met Trp Leu Met Leu Gln Asn Asp Glu Pro Glu Asp Phe Val
 265 270 275

Ile Ala Thr Gly Glu Val His Ser Val Arg Glu Phe Val Glu Lys Ser
 280 285 290

Phe Met His Ile Gly Lys Thr Ile Val Trp Glu Gly Lys Asn Glu Asn
 295 300 305

Glu Val Gly Arg Cys Lys Glu Thr Gly Lys Ile His Val Thr Val Asp
 310 315 320

Leu Lys Tyr Tyr Arg Pro Thr Glu Val Asp Phe Leu Gln Gly Asp Cys
 325 330 335 340

Ser Lys Ala Gln Gln Lys Leu Asn Trp Lys Pro Arg Val Ala Phe Asp
 345 350 355

Glu Leu Val Arg Glu Met Val Gln Ala Asp Val Glu Leu Met Arg Thr
 360 365 370

Asn Pro Asn Ala
 375

<210> 72

<211> 321

<212> PRT

<213> Cricetulus griseus

<400> 72

Met Gly Glu Pro Gln Gly Ser Arg Arg Ile Leu Val Thr Gly Gly Ser
 1 5 10 15

Gly Leu Val Gly Arg Ala Ile Gln Lys Val Val Ala Asp Gly Ala Gly
 20 25 30

Leu Pro Gly Glu Glu Trp Val Phe Val Ser Ser Lys Asp Ala Asp Leu
 35 40 45

Thr Asp Ala Ala Gln Thr Gln Ala Leu Phe Gln Lys Val Gln Pro Thr
 50 55 60

His Val Ile His Leu Ala Ala Met Val Gly Gly Leu Phe Arg Asn Ile
 65 70 75 80

Lys Tyr Asn Leu Asp Phe Trp Arg Lys Asn Val His Ile Asn Asp Asn
 85 90 95

Val Leu His Ser Ala Phe Glu Val Gly Thr Arg Lys Val Val Ser Cys
 100 105 110

Leu Ser Thr Cys Ile Phe Pro Asp Lys Thr Thr Tyr Pro Ile Asp Glu
 115 120 125

Thr Met Ile His Asn Gly Pro Pro His Ser Ser Asn Phe Gly Tyr Ser
 130 135 140

Tyr Ala Lys Arg Met Ile Asp Val Gln Asn Arg Ala Tyr Phe Gln Gln
 145 150 155 160

His Gly Cys Thr Phe Thr Ala Val Ile Pro Thr Asn Val Phe Gly Pro
 165 170 175

His Asp Asn Phe Asn Ile Glu Asp Gly His Val Leu Pro Gly Leu Ile
 180 185 190

His Lys Val His Leu Ala Lys Ser Asn Gly Ser Ala Leu Thr Val Trp
 195 200 205

Gly Thr Gly Lys Pro Arg Arg Gln Phe Ile Tyr Ser Leu Asp Leu Ala
 210 215 220

Arg Leu Phe Ile Trp Val Leu Arg Glu Tyr Asn Glu Val Glu Pro Ile
 225 230 235 240

Ile Leu Ser Val Gly Glu Glu Asp Glu Val Ser Ile Lys Glu Ala Ala
 245 250 255

Glu Ala Val Val Glu Ala Met Asp Phe Cys Gly Glu Val Thr Phe Asp
 260 265 270

Ser Thr Lys Ser Asp Gly Gln Tyr Lys Lys Thr Ala Ser Asn Gly Lys
 275 280 285

Leu Arg Ala Tyr Leu Pro Asp Phe Arg Phe Thr Pro Phe Lys Gln Ala
 290 295 300

Val Lys Glu Thr Cys Ala Trp Phe Thr Asp Asn Tyr Glu Gln Ala Arg
 305 310 315 320

Lys

<210> 73
 <211> 590
 <212> PRT
 <213> Cricetulus griseus

<400> 73
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Lys	Pro	Val	Ala
			Thr
			Gly
			Lys
			Phe
			Trp
			Asp
			Val
			Val
Val	Ile	Thr	Ala
35			Ala
			Asp
			Glu
			Gln
			Glu
			Leu
			Ala
			Tyr
			Lys
			Gln
			Gln
Leu	Ser	Glu	Lys
50			Leu
			Lys
			Arg
			Lys
			Glu
			Leu
			Pro
			Leu
			Gly
			Val
			Asn
			Tyr
His	Val	Phe	Thr
65			Asp
			Pro
			Pro
			Gly
			Thr
			Lys
			Ile
			Gly
			Asn
			Gly
			Ser
Thr	Leu	Cys	Ser
85			Leu
			Gln
			Cys
			Leu
			Glu
			Ser
			Leu
			Tyr
			Gly
			Asp
			Lys
			Trp
Asn	Ser	Phe	Thr
100			Val
			Leu
			Leu
			Ile
			His
			Ser
			Gly
			Gly
			Tyr
			Ser
			Gln
			Arg
Leu	Pro	Asn	Ala
115			Ser
			Ala
			Tyr
			Lys
			Ile
			Phe
			Thr
			Ala
			Leu
			Pro
			Leu
Gly	Glu	Pro	Ile
130			Tyr
			Gln
			Met
			Leu
			Asp
			Leu
			Lys
			Leu
			Ala
			Met
			Tyr
			Met
Asp	Phe	Pro	Ser
145			Arg
			Met
			Lys
			Pro
			Gly
			Val
			Leu
			Val
			Thr
			Cys
			Ala
			Asp
Asp	Ile	Glu	Leu
165			Tyr
			Ser
			Ile
			Gly
			Asp
			Ser
			Glu
			Ser
			Ile
			Ala
			Phe
			Glu
Gln	Pro	Gly	Phe
180			Thr
			Ala
			Leu
			Ala
			His
			Pro
			Ser
			Ser
			Leu
			Ala
			Val
			Gly
Thr	Thr	His	Gly
195			Val
			Phe
			Val
			Leu
			Asp
			Ser
			Ala
			Gly
			Ser
			Leu
			Gln
			His
Gly	Asp	Leu	Glu
210			Tyr
			Arg
			Gln
			Cys
			His
			Arg
			Phe
			Leu
			His
			Lys
			Pro
			Ser
Ile	Glu	Asn	Met
225			His
			Phe
			Asn
			Ala
			Val
			His
			Arg
			Leu
			Gly
			Ser
			Phe
Gly	Gln	Gln	Asp
245			Leu
			Ser
			Gly
			Asp
			Thr
			Cys
			His
			Pro
			Leu
			His
Ser	Glu	Tyr	Val
260			Tyr
			Thr
			Asp
			Ser
			Leu
			Phe
			Tyr
			Met
			Asp
			His
			Lys
			Ser
			Asn
			Val
Ala	Lys	Lys	Leu
275			Leu
			Asp
			Phe
			Tyr
			Glu
			Asp
			Val
			Gly
			Ser
			Leu
			Asn
			Cys
Glu	Ile	Asp	Ala
290			Tyr
			Gly
			Asp
			Phe
			Leu
			Gln
			Ala
			Leu
			Gly
Thr	Ala	Glu	Tyr
305			Thr
			Lys
			Asn
			Thr
			Ser
			His
			Val
			Thr
			Lys
			Glu
			Glu
			Asn
			Cys
His	Leu	Leu	Asp
325			Met
			Arg
			Gln
			Lys
			Ile
			Phe
			His
			Leu
			Lys
			Gly
			Thr
			Asn
			Cys
Pro	Leu	Asn	Val
340			Val
			Leu
			Asn
			Asn
			Ser
			Arg
			Phe
			Tyr
			His
			Ile
			Gly
Thr	Thr	Glu	Glu
355			Tyr
			Leu
			Leu
			His
			Phe
			Thr
			Ser
			Asn
			Gly
			Ser
			Leu
			Gln

Ala Glu Leu Gly Leu Gln Ser Ile Ala Phe Ser Val Phe Pro Asn Val
370 375 380

Pro Glu Asp Ser His Glu Lys Pro Cys Val Ile His Ser Ile Leu Asn
385 390 395 400

Ser Gly Cys Cys Val Ala Pro Gly Ser Val Val Glu Tyr Ser Arg Leu
405 410 415

Gly Pro Glu Val Ser Ile Ser Glu Asn Cys Ile Ile Ser Gly Ser Val
420 425 430

Ile Glu Lys Ala Val Leu Pro Pro Cys Ser Phe Val Cys Ser Leu Ser
435 440 445

Val Glu Ile Asn Gly His Leu Glu Tyr Ser Thr Met Val Phe Gly Met
450 455 460

Glu Asp Asn Leu Lys Asn Ser Val Lys Thr Ile Ser Asp Ile Lys Met
465 470 475 480

Leu Gln Phe Phe Gly Val Cys Phe Leu Thr Cys Leu Asp Ile Trp Asn
485 490 495

Leu Lys Ala Met Glu Glu Leu Phe Ser Gly Ser Lys Thr Gln Leu Ser
500 505 510

Leu Trp Thr Ala Arg Ile Phe Pro Val Cys Ser Ser Leu Ser Glu Ser
515 520 525

Val Ala Ala Ser Leu Gly Met Leu Asn Ala Ile Arg Asn His Ser Pro
530 535 540

Phe Ser Leu Ser Asn Phe Lys Leu Leu Ser Ile Gln Glu Met Leu Leu
545 550 555 560

Cys Lys Asp Val Gly Asp Met Leu Ala Tyr Arg Glu Gln Leu Phe Leu
565 570 575

Glu Ile Ser Ser Lys Arg Lys Gln Ser Asp Ser Glu Lys Ser
580 585 590